

Title (en)
Modulating method

Title (de)
Modulationsverfahren

Title (fr)
Procédé de modulation

Publication
EP 0571905 B1 19980819 (EN)

Application
EP 93108290 A 19930521

Priority
JP 15755892 A 19920525

Abstract (en)
[origin: EP0571905A2] A method of modulating digital data to a variable-length code (d, k; m, n; r) for recording information on and reproducing the same from an optical disc (21). The optimal range of a minimum run length d corresponding to the minimum number of successive same symbols is determined by a procedure which comprises a first step (52, 53) to determine the minimum S/N required for obtaining a desired error rate from the relationship between a bit error rate and the S/N when d = 0; a second step (54) to obtain the relationship between a change of the numerical value d and that of the S/N by calculating, on the basis of the required minimum S/N obtained at the first step (52, 53), the S/N loss caused due to the change of the numerical value d; and a third step (55) to determine, from the relationship between the numerical value d and the S/N, the range of the value d corresponding to the S/N of the transmission characteristic dependent on an optical system and an optical disc (21). <IMAGE>

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IPC 8 full level
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CPC (source: EP KR US)
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Cited by
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EP 0571905 A2 19931201; **EP 0571905 A3 19950607**; **EP 0571905 B1 19980819**; AT E170019 T1 19980915; AU 3869493 A 19931202; AU 656675 B2 19950209; CA 2096792 A1 19931126; CN 1061159 C 20010124; CN 1082238 A 19940216; DE 69320403 D1 19980924; DE 69320403 T2 19981224; ES 2119833 T3 19981016; JP 3427392 B2 20030714; JP H05325426 A 19931210; KR 100263686 B1 20000801; KR 940006111 A 19940323; MY 109819 A 19970830; TW 342561 B 19981011; US 5432799 A 19950711

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